



Applicants: Ash et al.
Title: COMPACT NAVIGATION SYSTEM
AND METHOD
Serial No: 10/768,309
Docket No.: DR-365J
Atty: David W. Poirier

Reg. No.: 43,007
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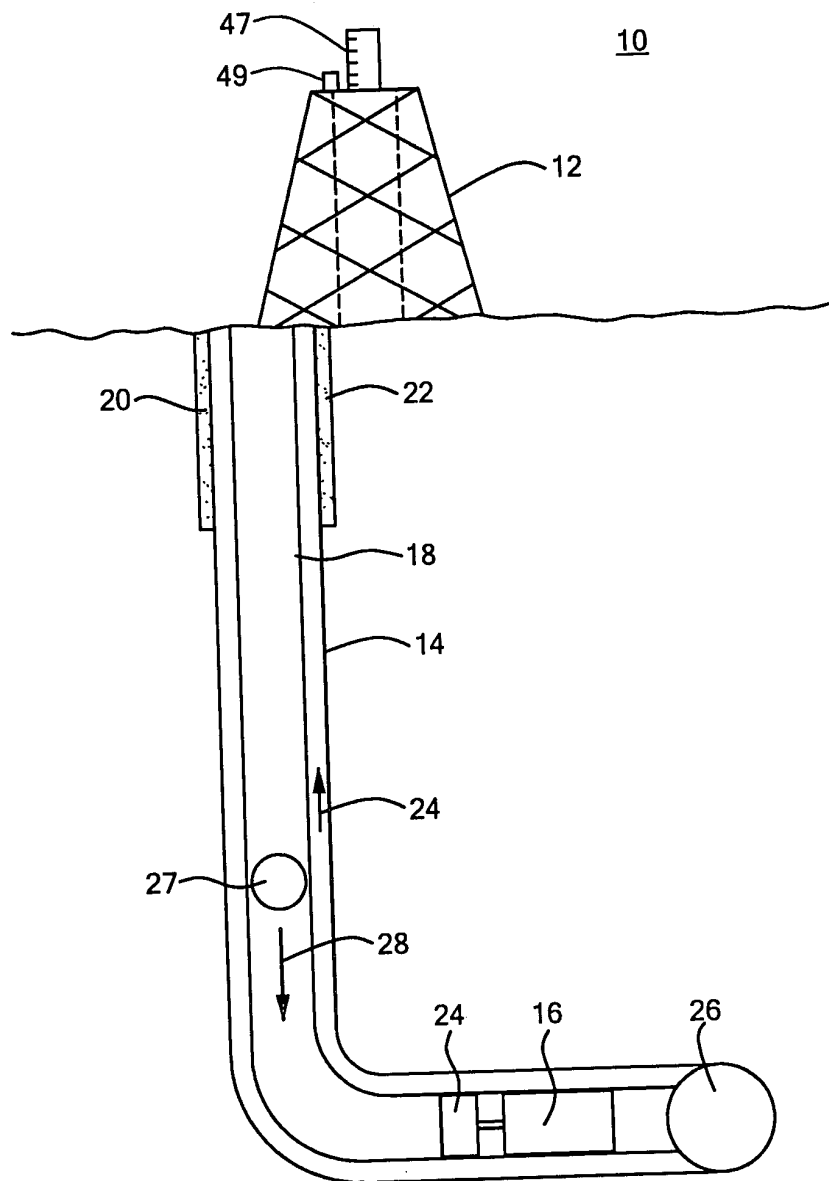


FIG. 1

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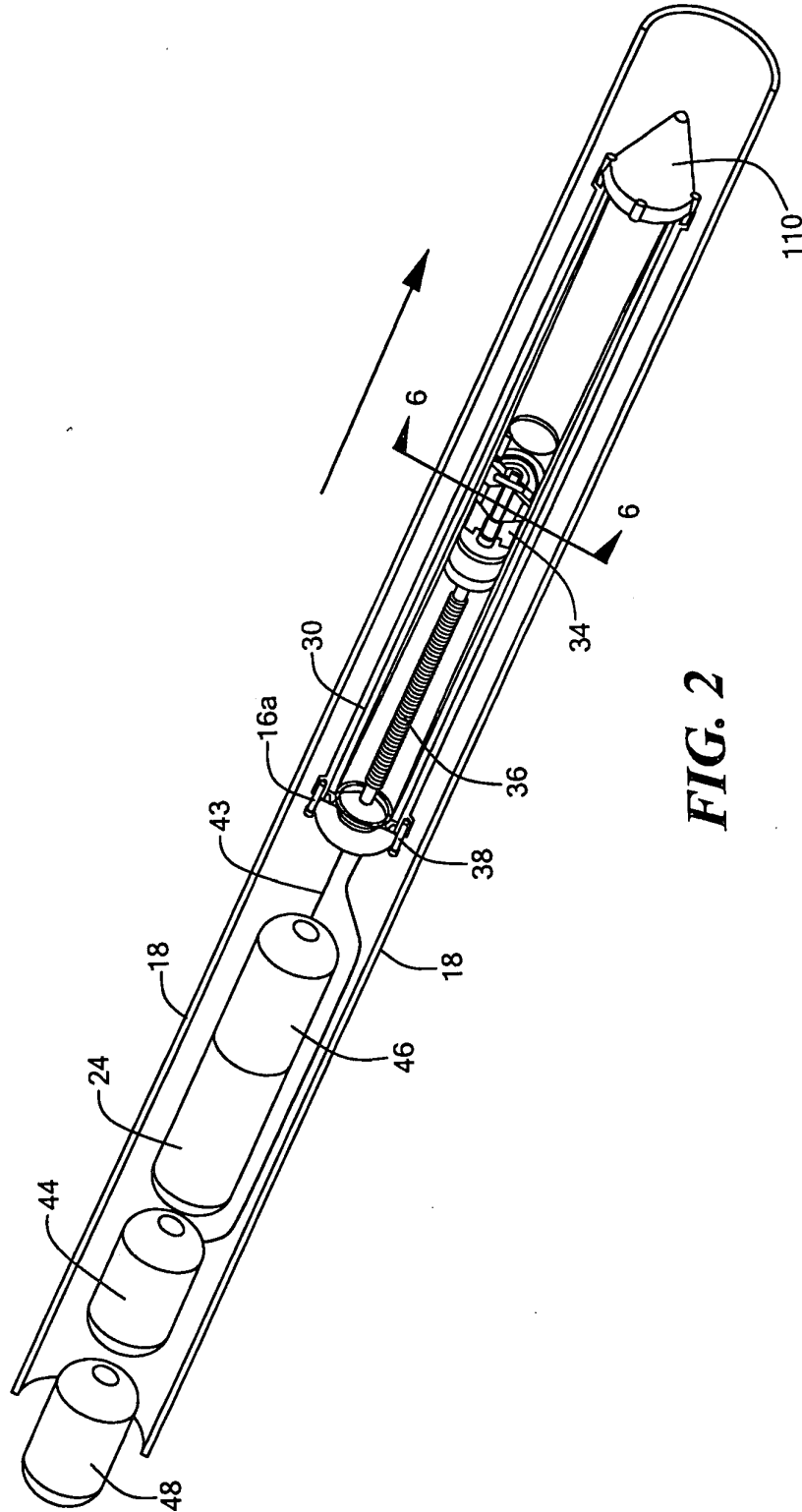


FIG. 2

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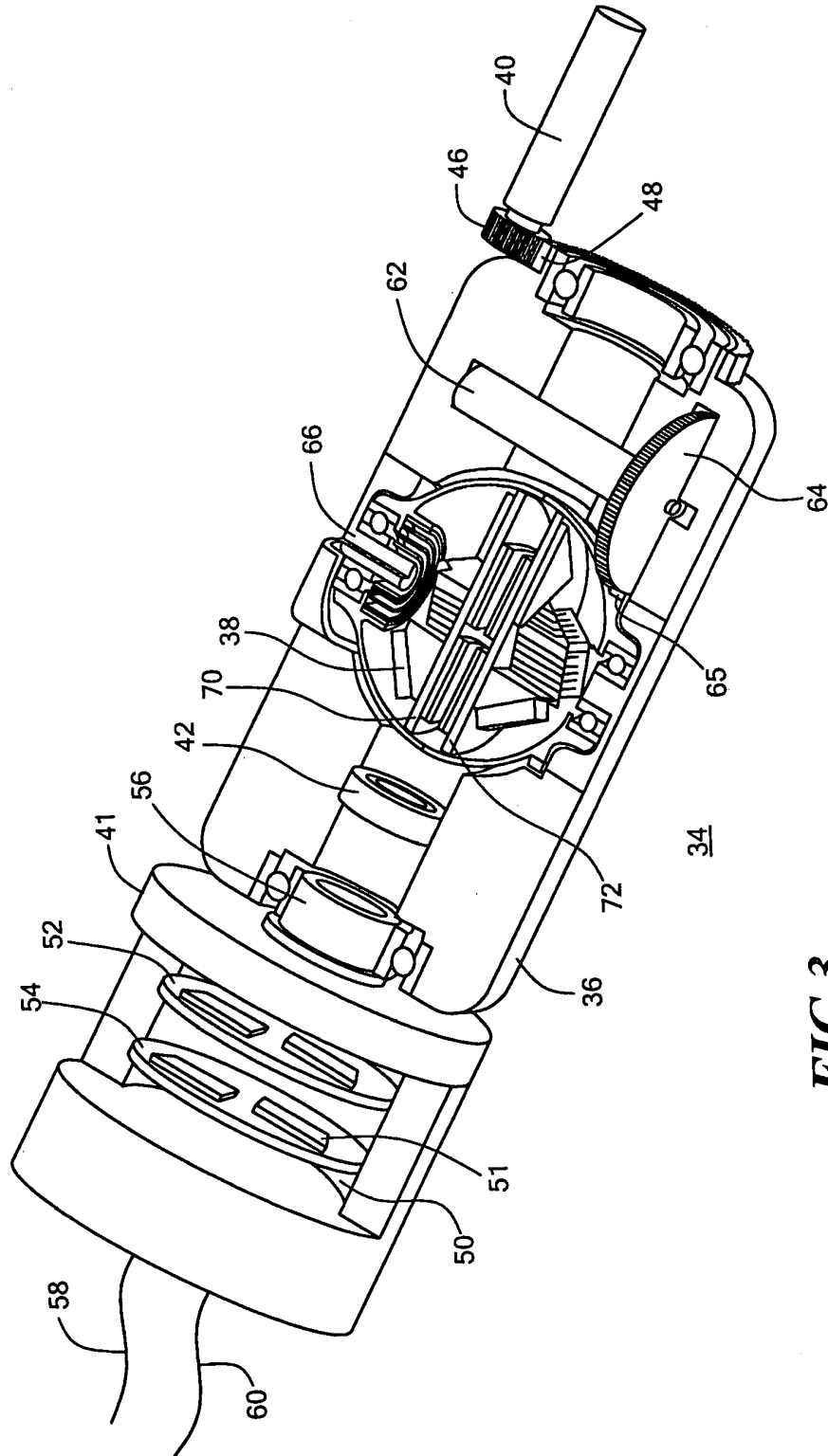


FIG. 3

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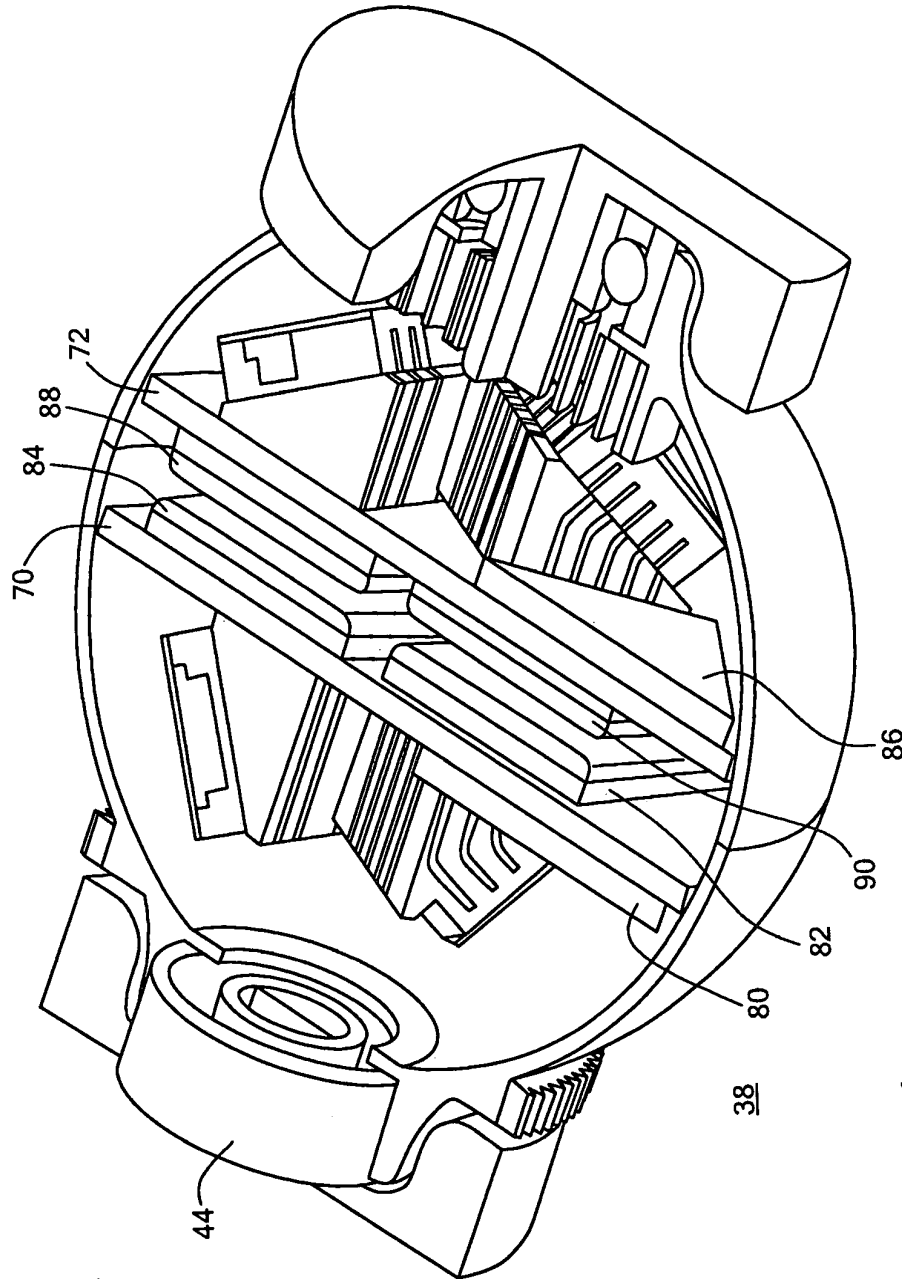
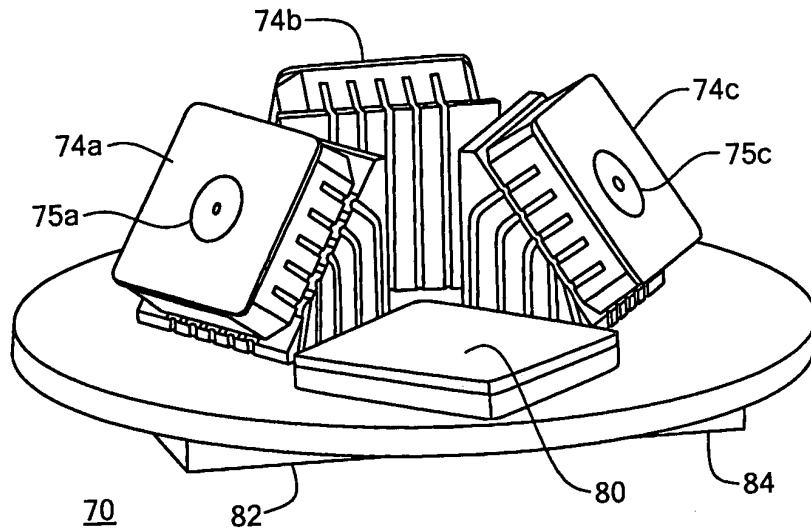


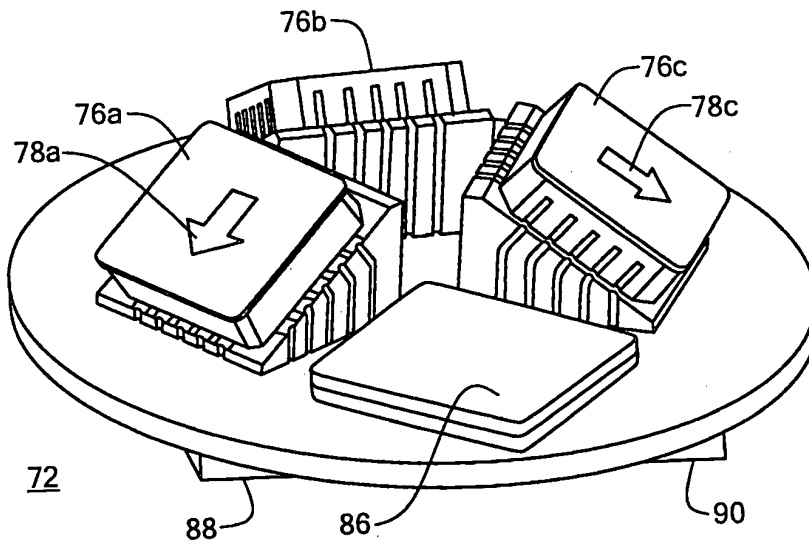
FIG. 4

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Accel Board Assembly

FIG. 5A



Gyro Board Assembly

FIG. 5B

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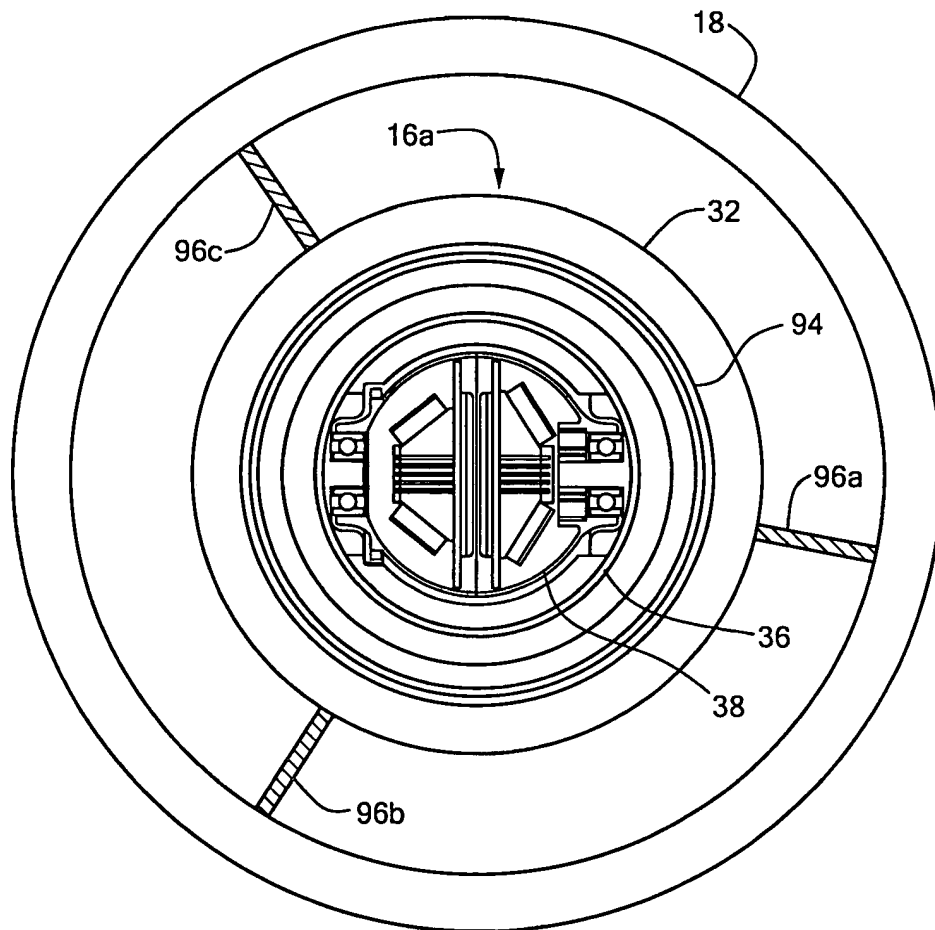


FIG. 6

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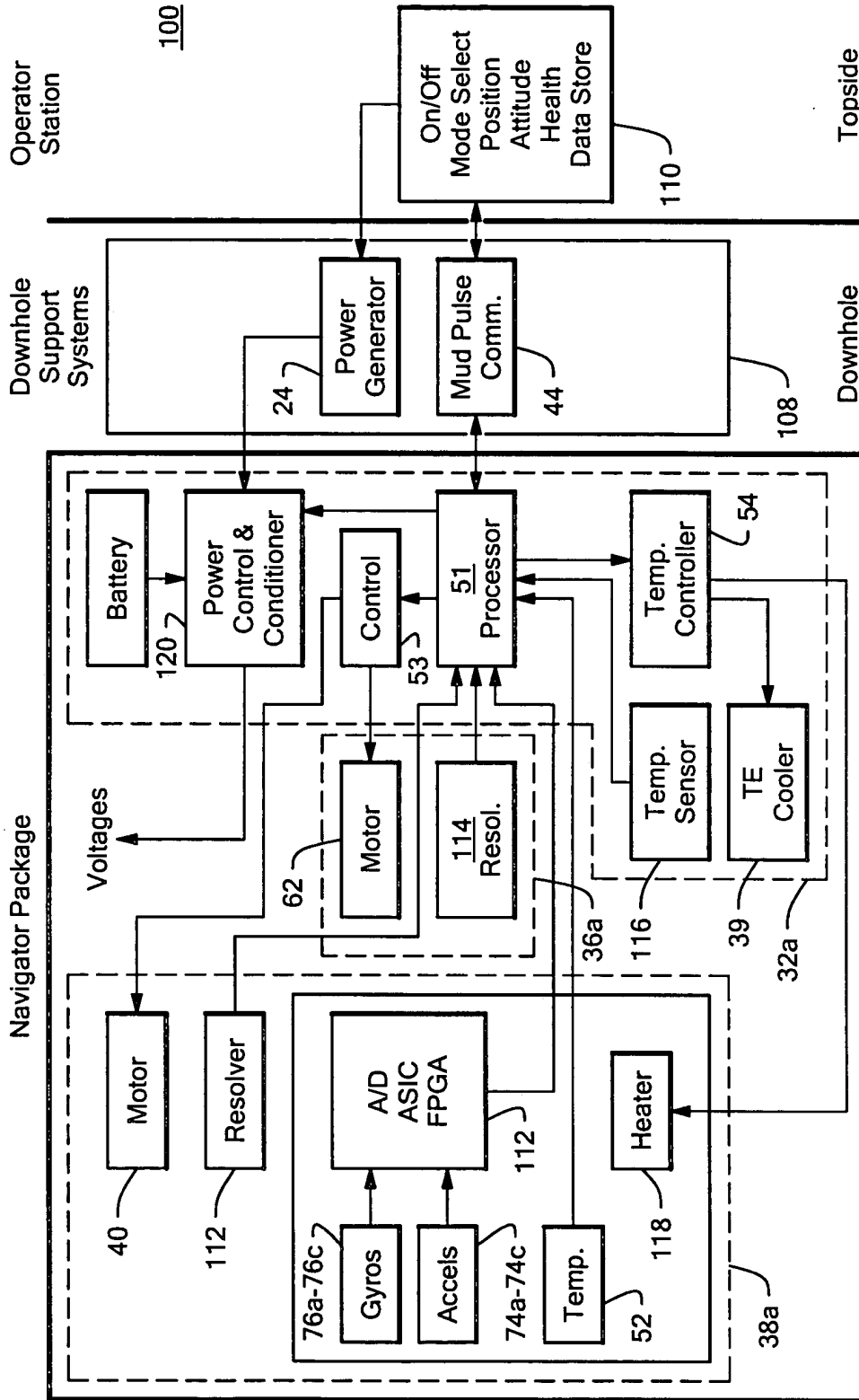


FIG. 7

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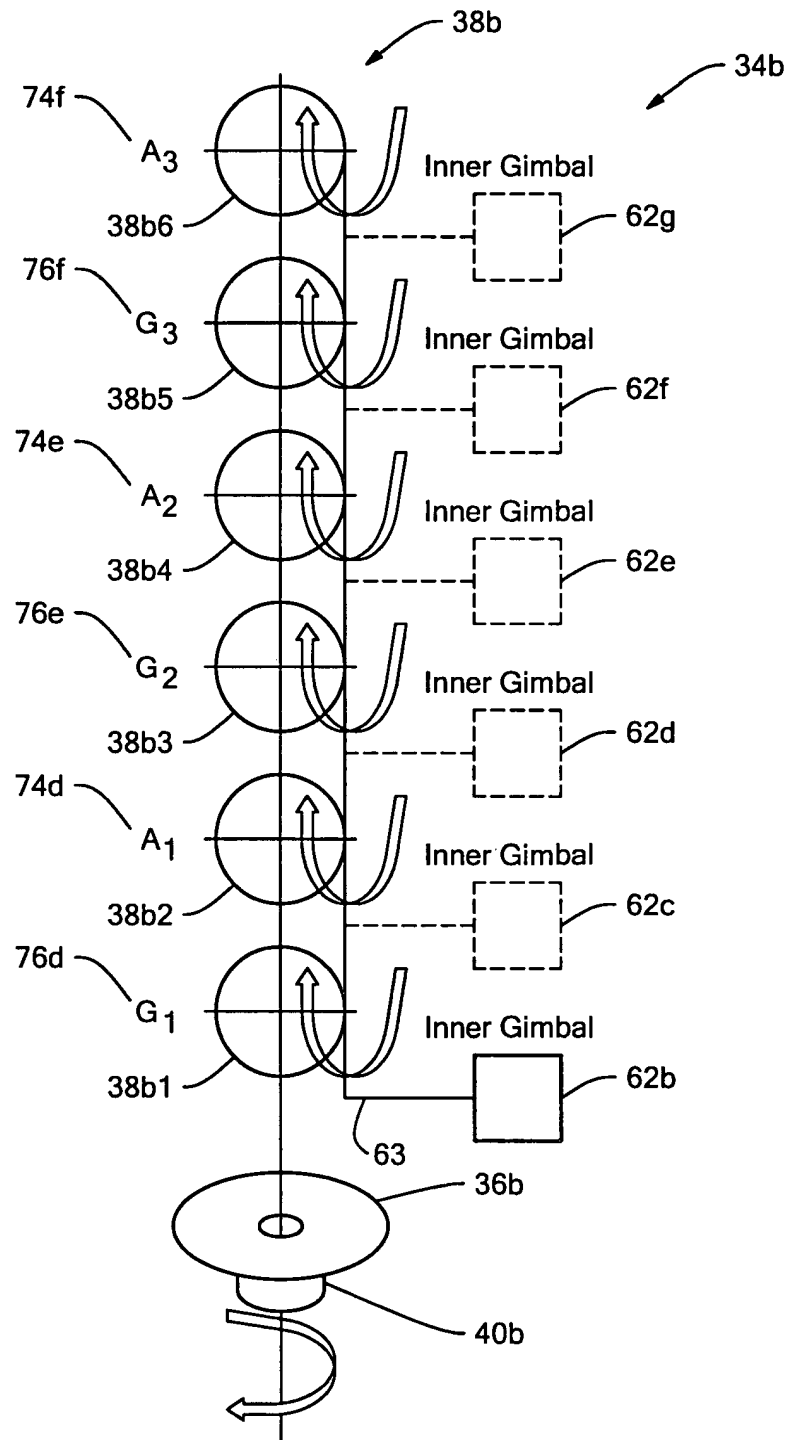
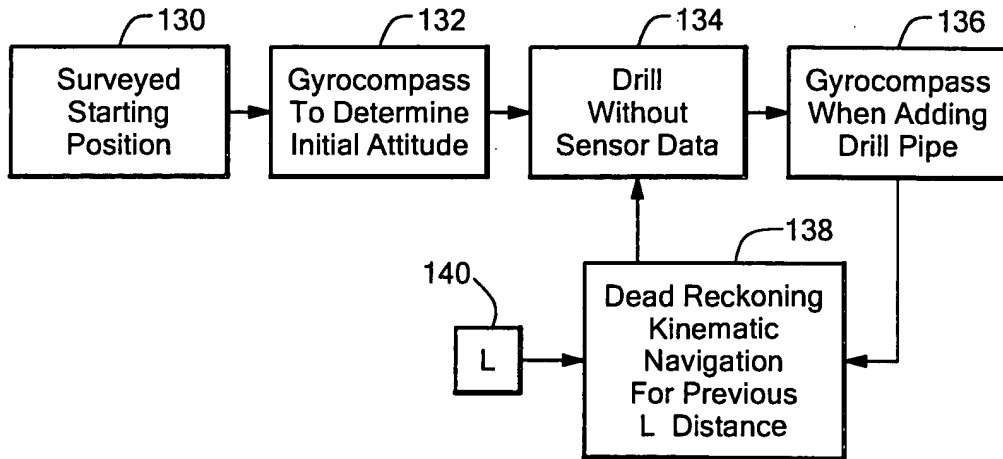


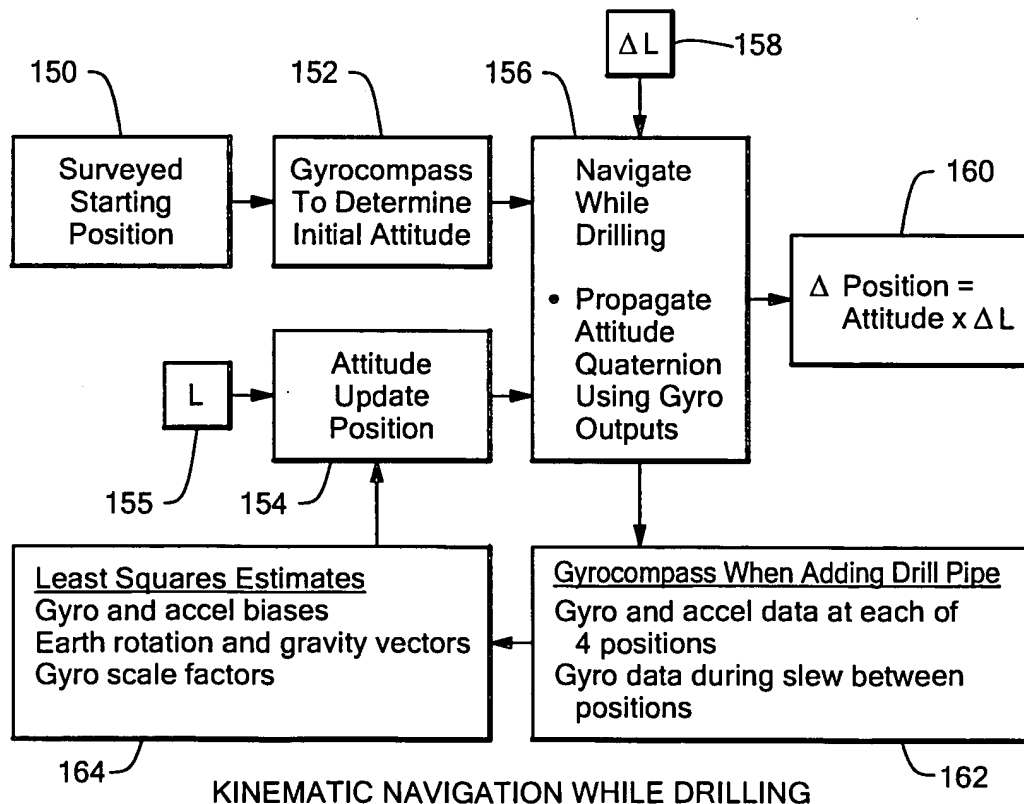
FIG. 8

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DEAD RECKONING FOR KINEMATIC NAVIGATION
 WHILE DRILLING BETWEEN GYROCOMPASSES

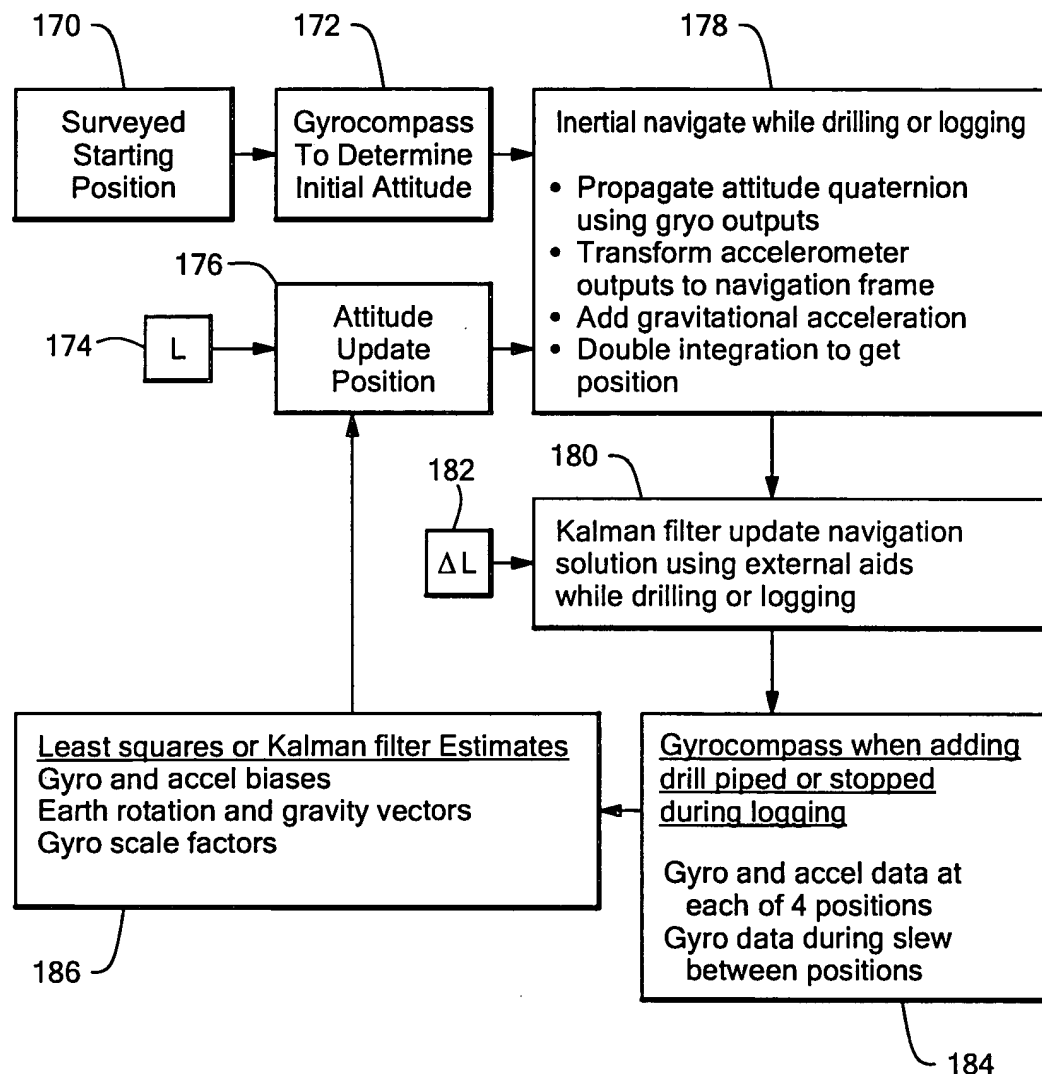
FIG. 9



KINEMATIC NAVIGATION WHILE DRILLING

FIG. 10

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INERTIAL NAVIGATION WHILE DRILLING OR LOGGING

FIG. 11

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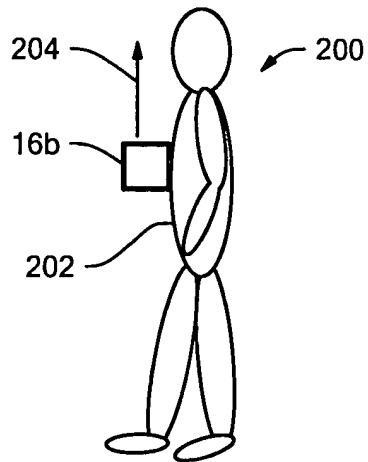


FIG. 12A

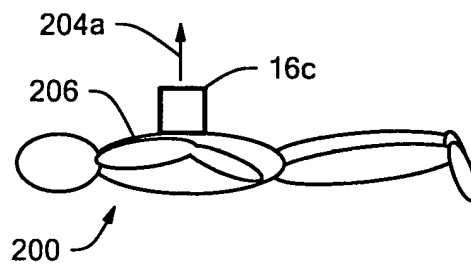


FIG. 12B

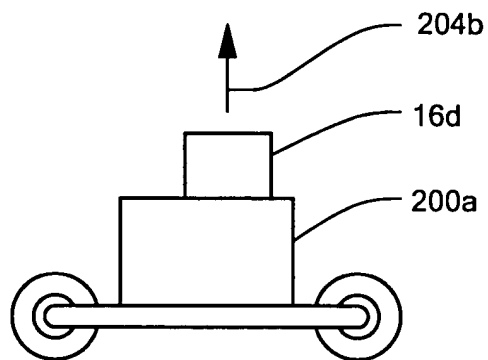


FIG. 12C

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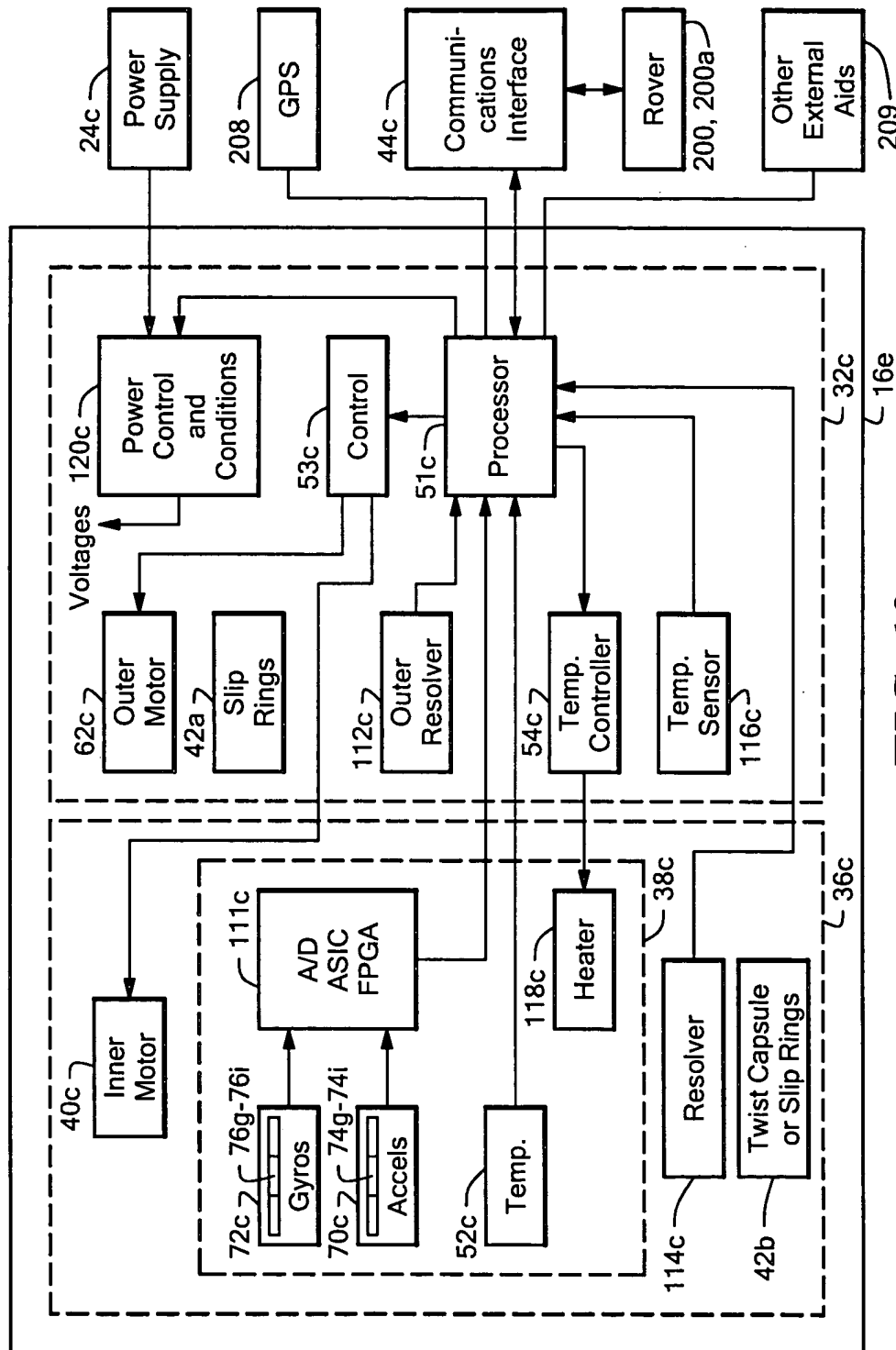


FIG. 13

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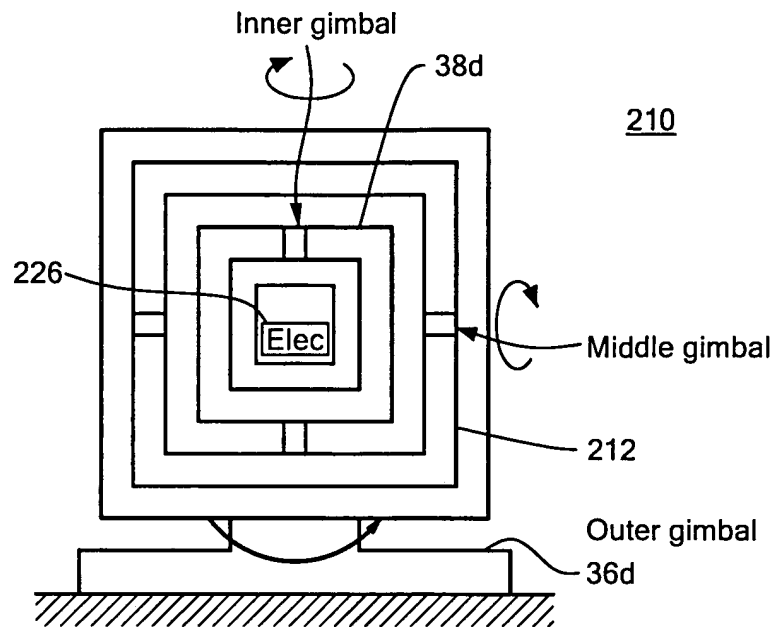


FIG. 14

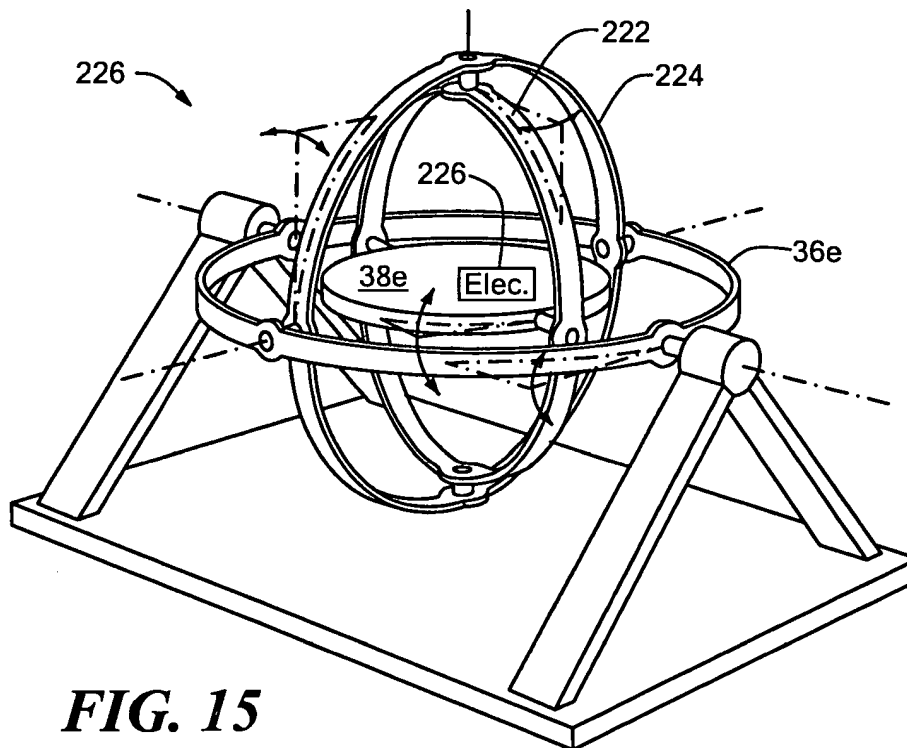


FIG. 15

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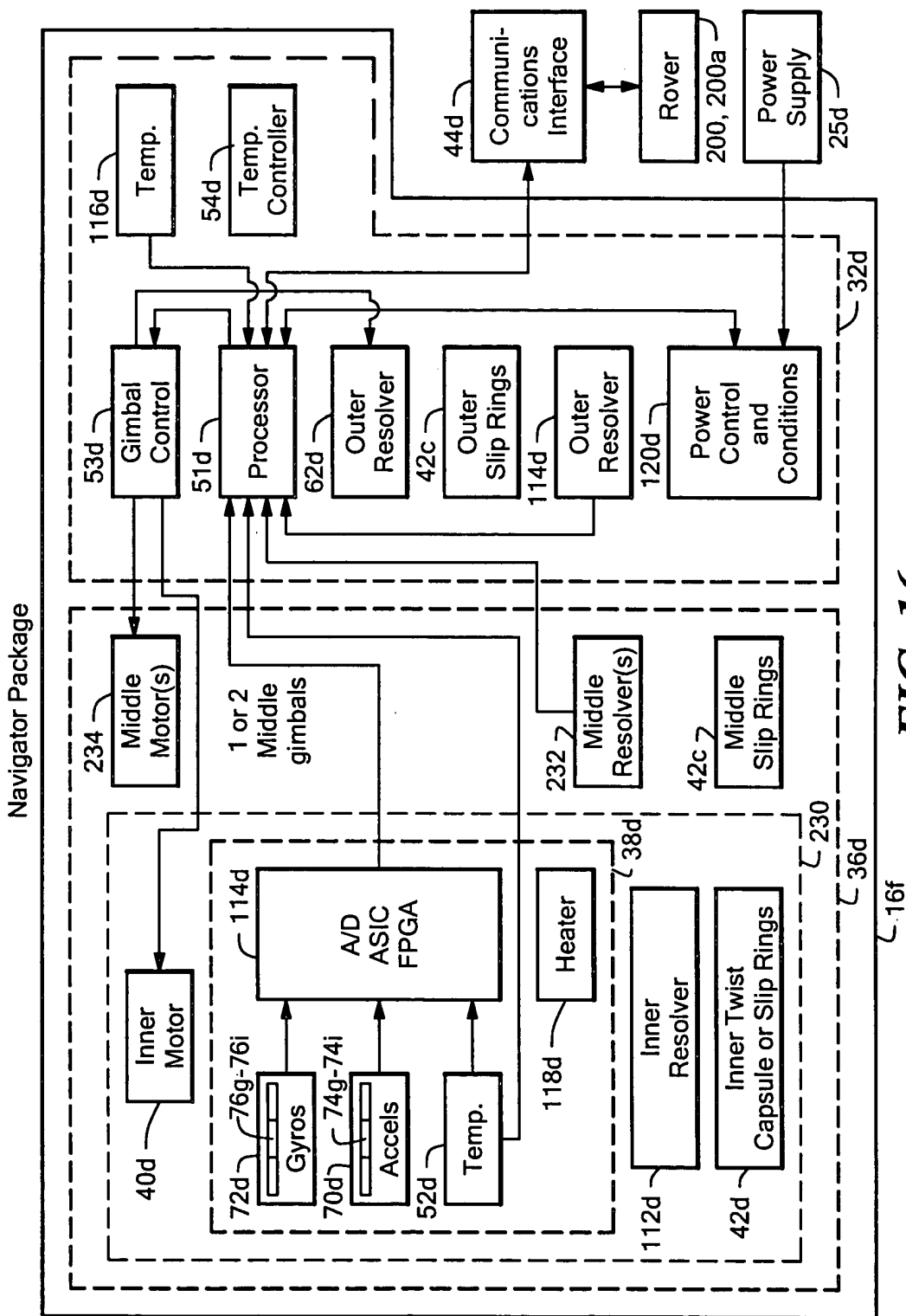


FIG. 16

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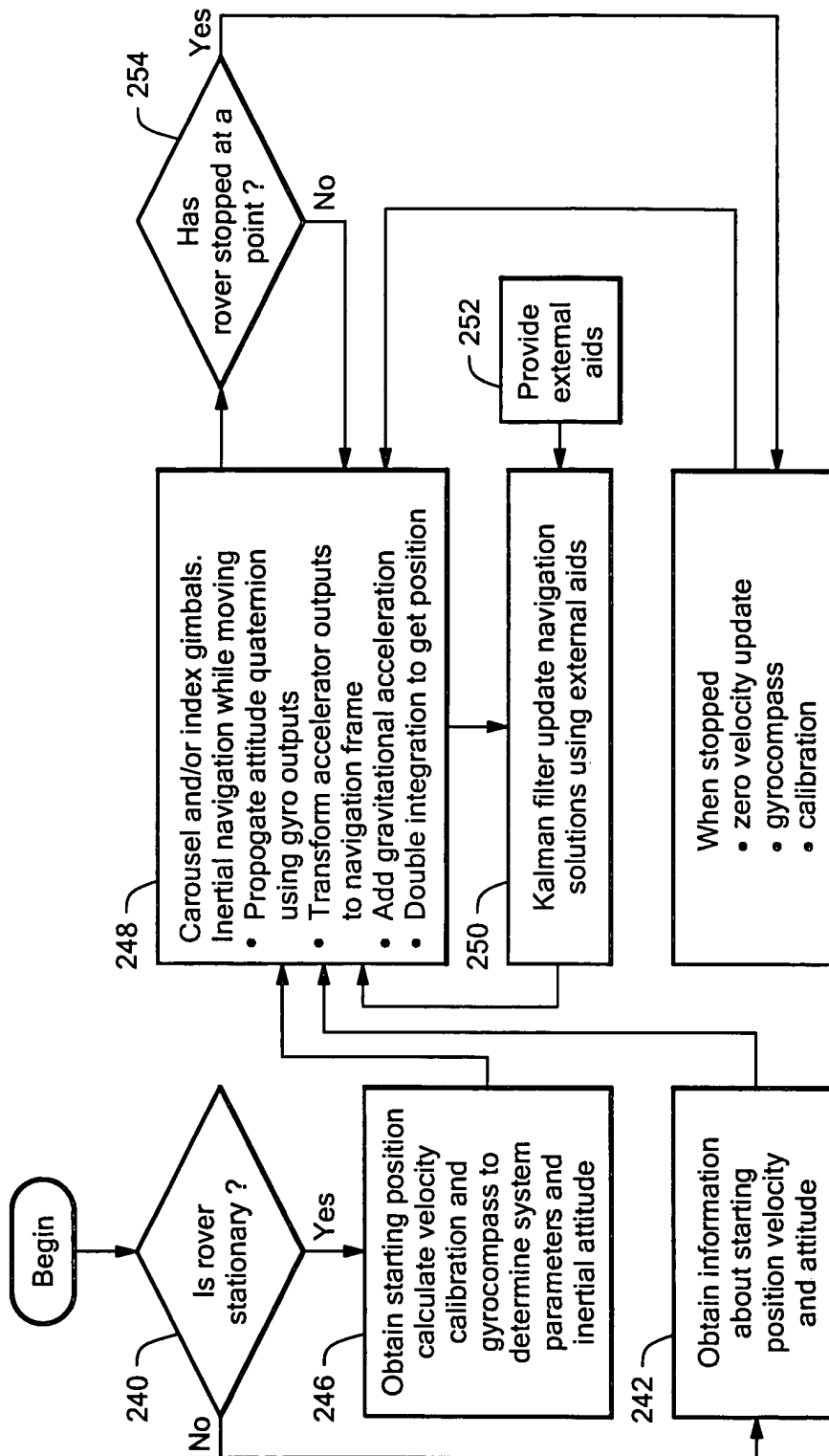


FIG. 17